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Mark works with electric utilities worldwide in a wide variety of technical areas. His main focus has been in the areas of power quality assessments, system monitoring, transient and harmonic studies, and economic evaluations. He has developed and taught seminars on a wide range of topics related to reliability, power quality and distribution system analysis. He is a co-author of the premier book on power quality concerns, **Electric Power Systems Quality**. Mark is active in both national and international standards development. He is Vice-Chairman of the IEEE Power Quality Standards Coordinating Committee SCC-22, which is responsible for coordinating all power quality standards development activities. He is also active as a US Technical Advisor for IEC standards in the power quality area (SC77A) and participates in a number of the IEC Working Groups.

Education

- M.B.A., University of Pittsburgh, 1985
- M.S., Electrical Engineering, University of Toledo, 1978
- B.S., Electrical Engineering, University of Toledo, 1977

Professional Affiliations

- Chairman, IEEE 519A – Guidelines for Applying Harmonic Limits on Power Systems
- Chairman, IEC C4.105 – Benchmarking of Power Quality Performance in Transmission Systems
- US Technical Advisory Group (TAG) for IEC SC 77A – Electromagnetic Compatibility Standards
- IEC SC77A, Working Group 8 – Compatibility Levels
- IEC SC77A Working Group 1 - Harmonics
- IEEE SCC22 (Power Quality Standards Coordinating Committee) – Vice Chairman for International
- IEEE Power Quality Subcommittee, Chairman of WG on Standards
- IEEE 1409 Custom Power Working Group
- IEEE 1564 Voltage Sag Indices
- US National Committee of CIGRE